

Date: Tuesday, 12/5/2006 8:20:57 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : GUIDE
Job Number : 29830	
Estimate Number : 11073	
P.O. Number : N/A	Part Number : D31373
This Issue : 12/5/2006 S.O. No. : N/A	Drawing Number : D3137 REV DE OK 06.12.05
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A Type : MACHINED PARTS	Drawing Revision : DE
Previous Run : 28149	Material : N/A
Written By : <u>JA 06 12 05</u>	Due Date : 12/23/2006 Qty: 30 Um: Each
Checked & Approved By : <u>JA 06 12 05</u>	
Comment : Est Rev: A 02.05.29 New Issue NG	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	MDELINB075X1250	Delrin Bar
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Comment: Qty.: 0.0831 f(s)/Unit Total: 2.4917 f(s)
 Matl: Black Delrin bar 1.250" x .750"
 (ref DART spec, M-DELRIN-B)
 Batch: M1453S

J.L 06/12/10

30

2.0	BAND SAW	BAND SAW
-----	----------	----------



Comment: BAND SAW
 Cut Blanks: Blank size: 1.250" x .750" x .950" long

J.L 06/12/10

30

3.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine as per Folio FA242 & Dwg D3137

2-Deburr

J.L 06/12/10

30

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

J.L 06/12/10

30

5.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

J.L 06/12/10

(30)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: 17 Date: 06/12/12
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: GUIDE

Job Number: 29830

Part Number: D31373

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

57410

6/12/11 (30)

7.0

QC21

FINAL INSPECTION/W/O RELEASE



(30)

Comment: FINAL INSPECTION/W/O RELEASE

6/12/13

Job Completion



6/12/13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

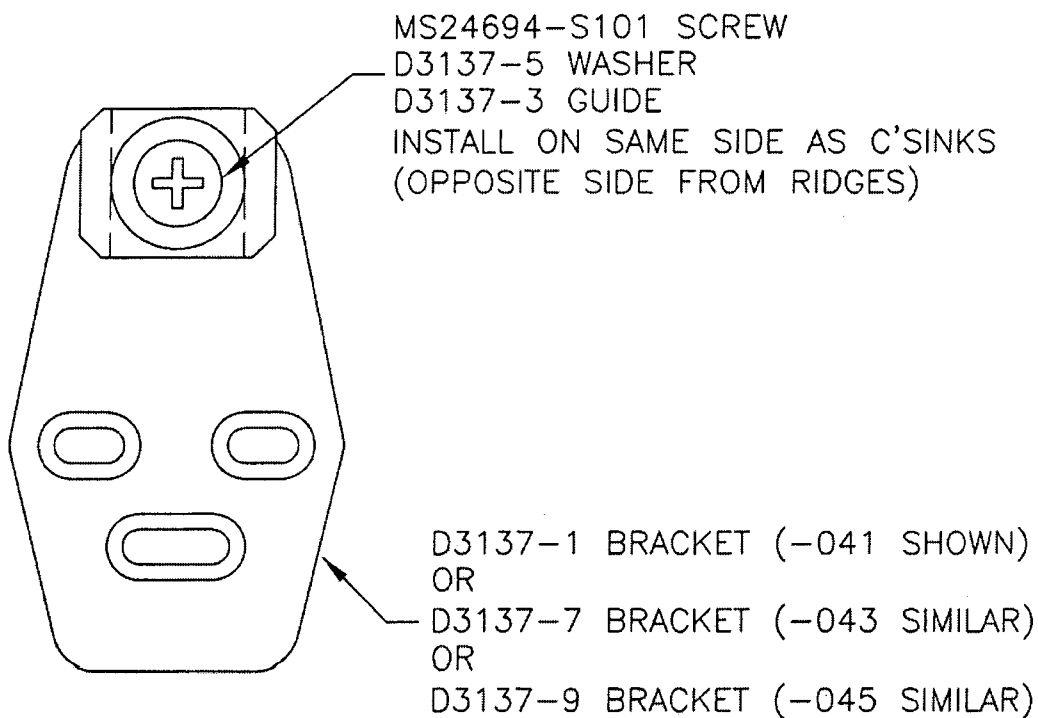
NOTE: Date & initial all entries

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DESIGN DS	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3137	REV. E SHEET 1 OF 5
DATE 05.11.23		TITLE BRACKET ASSEMBLY	SCALE 1:1
A	02.04.17	NEW ISSUE	
B	03.01.16	ADD RIDGES; ADD MAT'L PROP.	
C	03.08.15	ADD -043	
D	04.11.03	RE-DESIGN D3137-5; CHANGE DIMS	
E	05.11.23	ADD -045	

RELEASED

05.12.09



D3137-041 BRACKET ASSEMBLY (SHOWN)
D3137-043 BRACKET ASSEMBLY (SIMILAR)
D3137-045 BRACKET ASSEMBLY (SIMILAR)

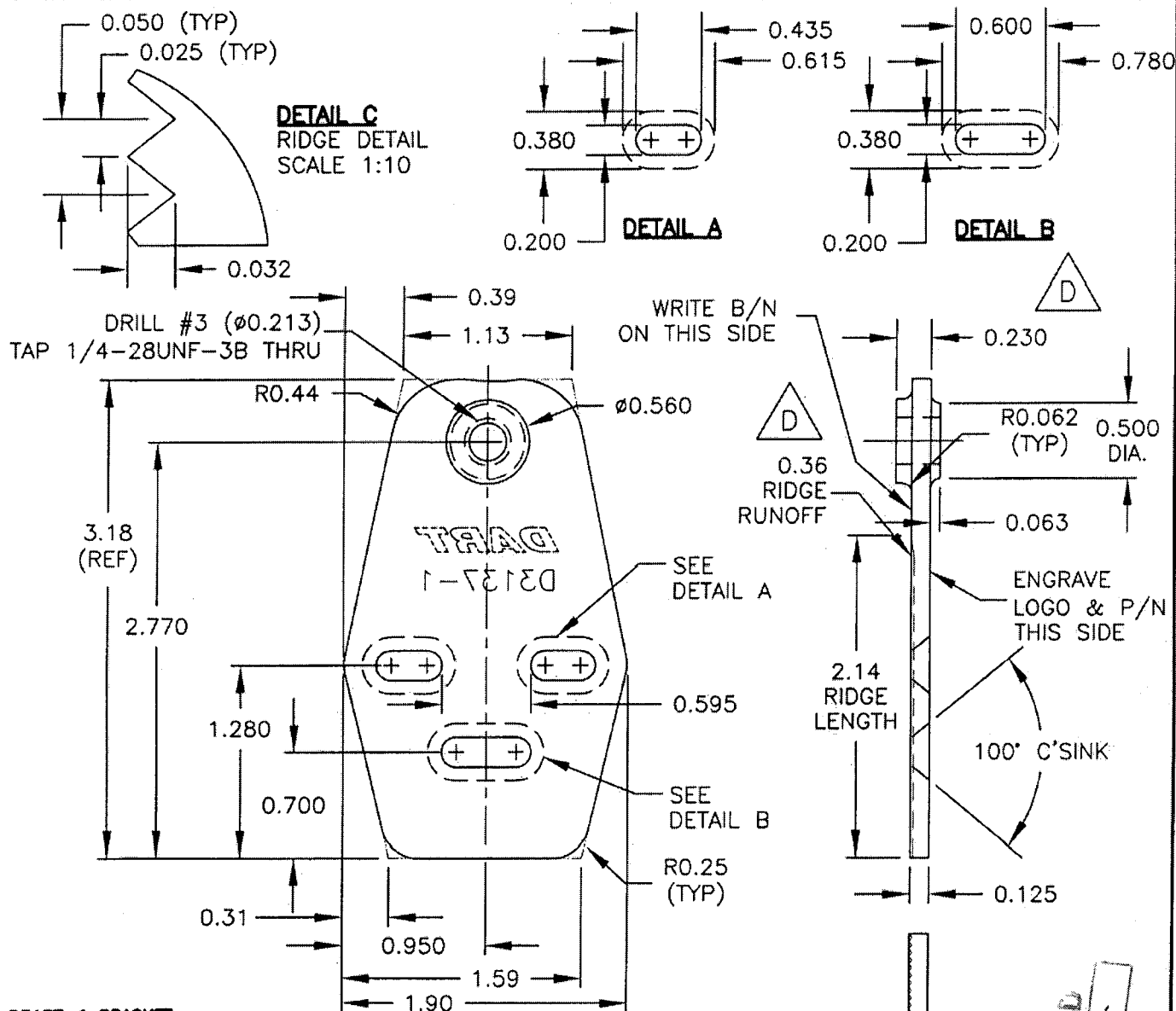
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CHECKED H	APPROVED H	DRAWING NO. D3137	REV. E SHEET 2 OF 5
DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:1



- 1) REPLACES PREMIER P/N B30-23000-105/-106 BRACKETS
- 2) MATERIAL: 17-4PH STAINLESS STEEL
PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 7) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
- 8) IDENTIFY WITH DART B/N USING FINE POINT PERMANET INK MARKER

SEE DETAIL C

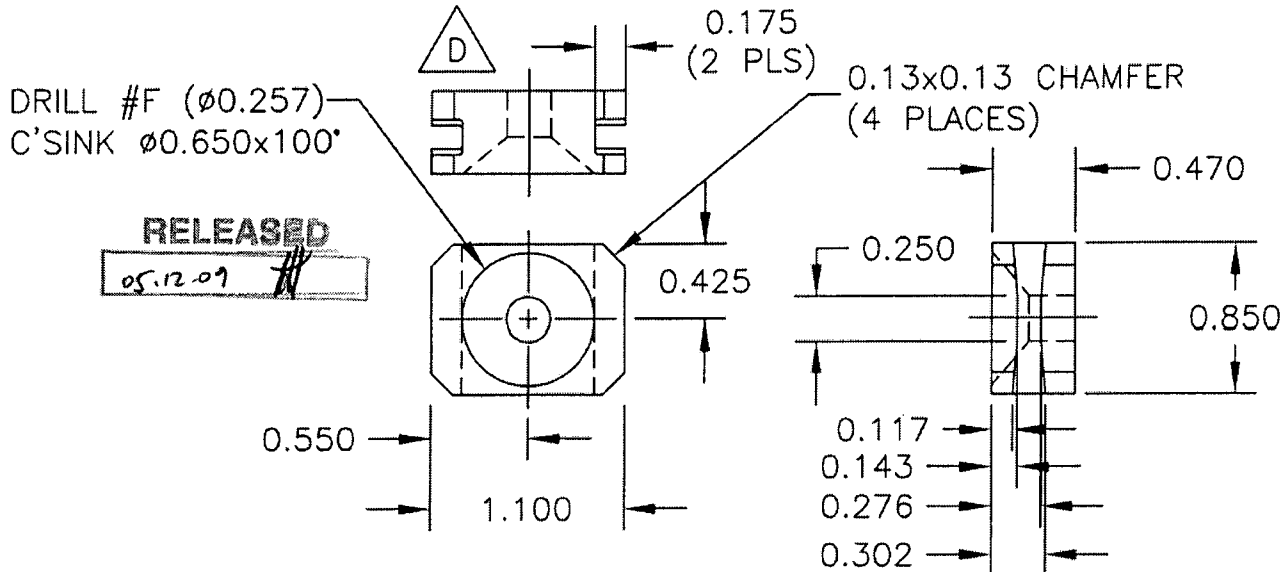
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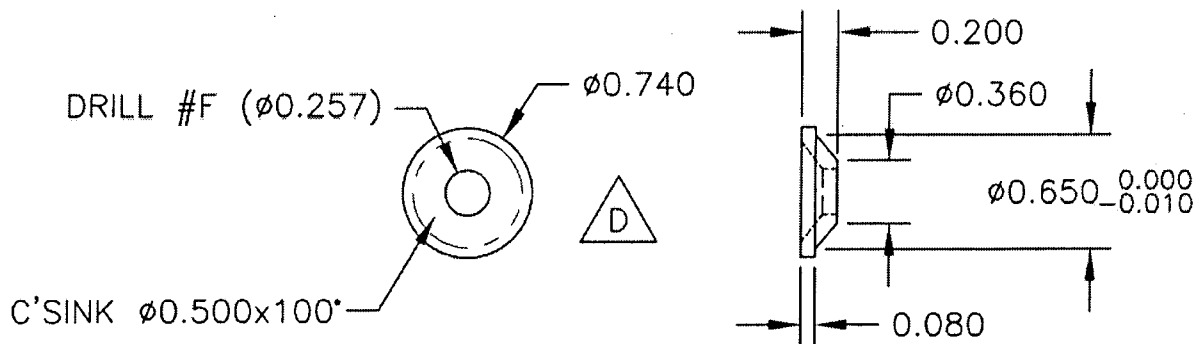
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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:1

**D3137-3 GUIDE**

- 1) REPLACES PREMIER P/N B30-23000-207
- 2) MATERIAL: DELRIN BAR (REF DART SPEC. M-DELRIN-B)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL EDGES 0.005 TO 0.015

**D3137-5 WASHER**

- 1) REPLACES PREMIER P/N B30-23000-209
- 2) MATERIAL: 6061-T6 (QQ-A-225/8 OR QQ-A-200/8) BAR (REF DART SPEC. M6061T6)
- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL EDGES 0.005 TO 0.015

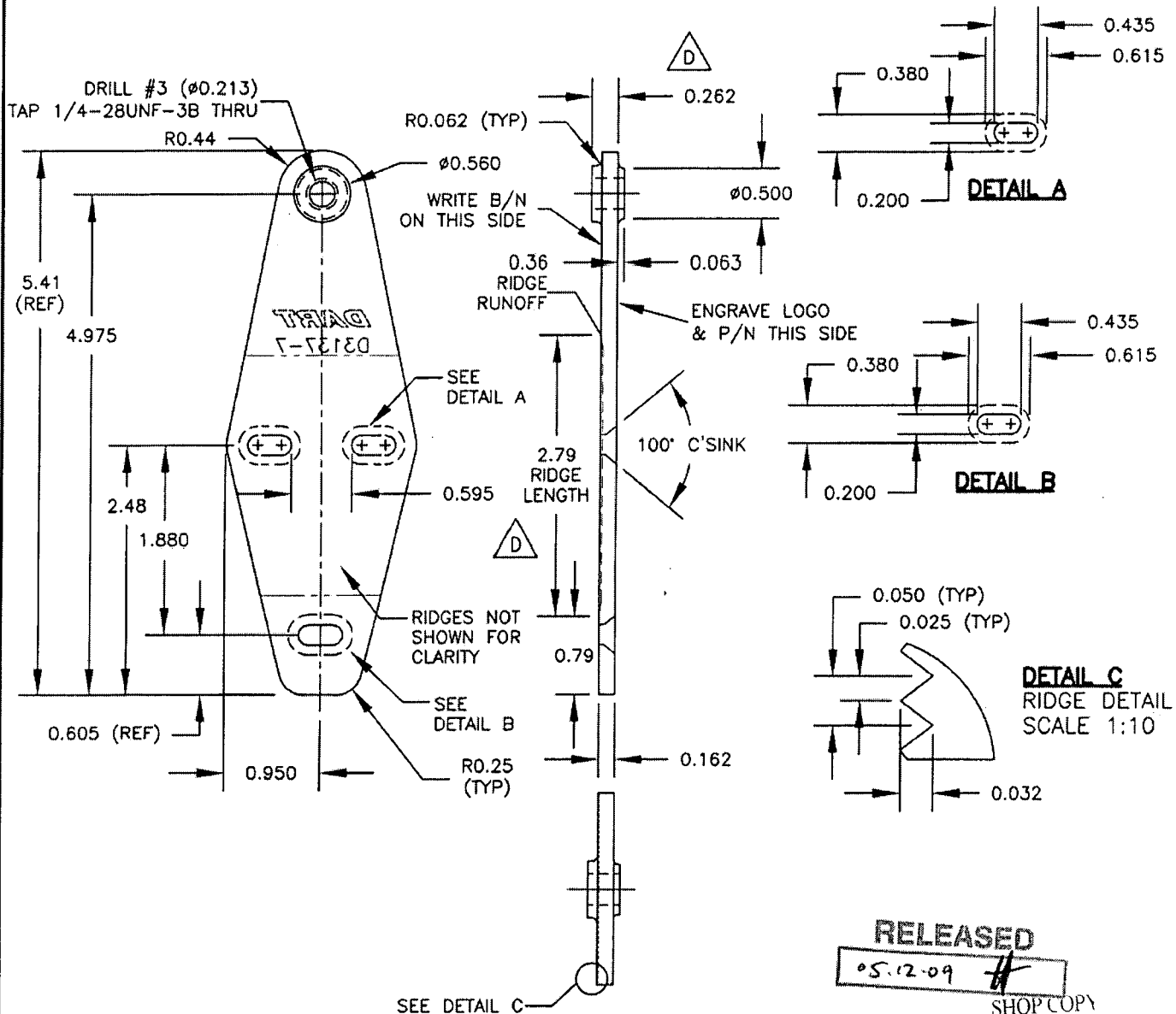
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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 2:3

**D3137-7 BRACKET:**

- 1) MATERIAL: 17-4PH STAINLESS STEEL PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 6) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
- 7) IDENTIFY WITH DART B/N USING FINE POINT PERMANENT INK MARKER



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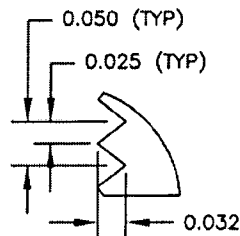
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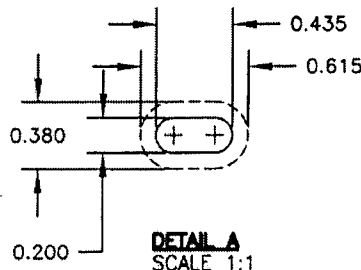
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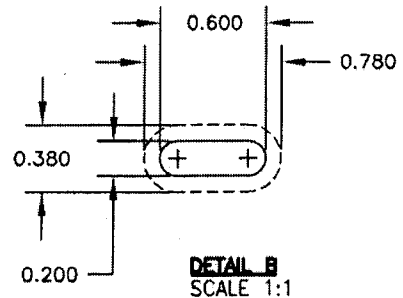
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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:2



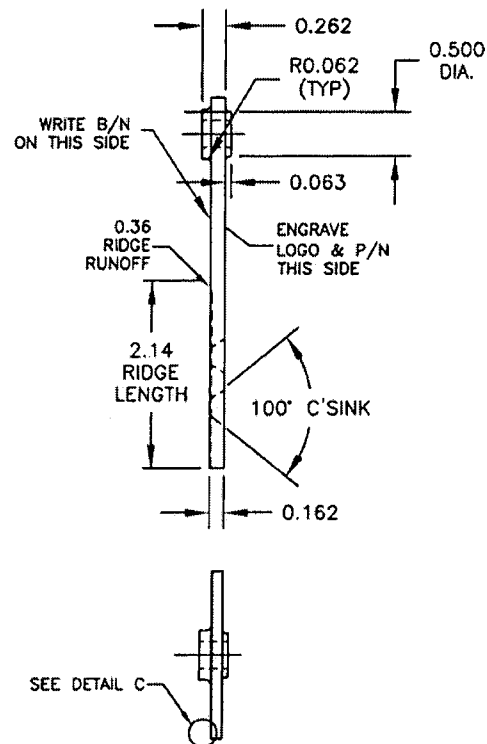
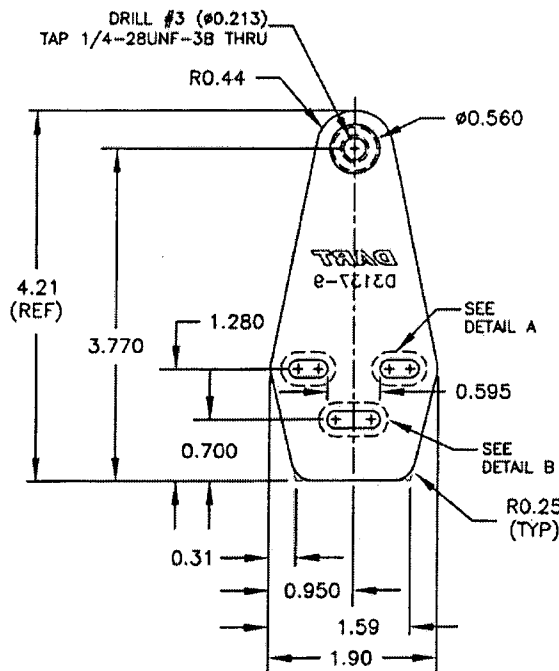
DETAIL C
RIDGE DETAIL
SCALE 1:20



DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1



D3137-9 BRACKET

- 1) REPLACES PREMIER P/N B30-23000-105/-106 BRACKETS
- 2) MATERIAL: 17-4PH STAINLESS STEEL
PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 7) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
- 8) IDENTIFY WITH DART B/N USING FINE POINT PERMANENT INK MARKER

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